

**I. Please replace the three consecutive paragraphs beginning on page 6, line 17, and ending on page 7, line 9, with the following three amended paragraphs:**

The light detection circuit (40) is composed of multiple resistors (VR1, R14, and R15) and a photo resistor (RV1). The resistors (VR1, R14, and R15) are used to form a voltage divider circuit such that ~~at each voltage tapping junction~~ a reference voltage (VREF) is produced at a voltage tapping junction, and the photo resistor RV1 forms the light detector (22).

The comparator circuit (50) is formed by multiple comparators (51-54). The reference voltage terminal of each is respectively connected to ~~[[a]]~~ the voltage tapping junction of the light detection circuit (40) to receive the respective reference voltage (VREF). The input terminals of the comparators (51-54) are connected to a resistor of a different resistance value for voltage detection. The output terminals of the comparators (51-54) are respectively connected to the corresponding input pins of the display module (23) to control the illumination of the corresponding display segments (231-234).

The power switch circuit (60) with the push-button switch (30) and the battery (24) connected in series controls the operating voltage (Vcc) of the light detection circuit (40), the comparator circuit (50) and the display module (23). ~~Both~~ The ends of the series combination of push-button switch (30) and battery (24) are connected to a resistor (R10) and a Zener diode (D3) connected in parallel at series with a junction L therebetween,

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which in turn is connected to one of the ~~pins~~ pin (L) of the display module (23) to control the illumination of the fifth display segment (235).

**II. Please replace the ABSTRACT, in its entirety, page 12, with the following amended ABSTRACT:**

**ABSTRACT OF THE DISCLOSURE**

~~The present invention is a~~ A portable UV detector ~~with simple operation, wherein~~  
is provided having a printed circuit board, a display module and multiple batteries are  
~~housed in the~~ a cylindrical body. A display panel window is located on the external wall  
of the cylindrical body to mount the display module with an appropriate UV level  
indicator. A ~~The~~ light detector located underneath the filtering lens is enabled at the push  
of a button to measure the intensity of incoming UV light and display a corresponding  
level on the display module. ~~, whenever a user wants to find out the intensity of UV~~  
~~radiation in an outdoor environment. Light of different intensity exhibits different~~  
~~electrical characteristics in terms of current flow, voltage or resistance. Therefore,~~  
~~through the light detector a value is measured and converted to an appropriate reading~~  
~~scale corresponding to the UV radiation level measured which is then shown on the~~  
~~display of the UV detector.~~

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### **AMENDMENTS TO THE DRAWINGS**

The attached two (2) Drawing sheets include a change to each of Figs. 2 and 3. Each of the two (2) sheets respectively include a replacement for Figs. 2 and 3, which replace the original sheets that include Figs. 2 and 3 thereon. In Figs. 2 and 3, reference numeral errors have been corrected.

**Attachment: Two (2) Replacement Sheets.**